

Abstract Submitted
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High pressure melting of lithium ANNE MARIE SCHAEFFER, WILLIAM TALMADGE, SCOTT TEMPLE, SHANTI DEEMYAD, University of Utah — The electrical resistivity of metals exhibit a well documented sharp increase near the melting temperature. The electrical resistivity of lithium was measured using a quasi-four point probe inside a diamond anvil cell. The sharp increase in the resistivity upon melting, complemented by visual observations, was used to measure the melting curve of lithium from ambient pressure to 64 GPa. Using the same experimental configuration, the electrical resistivity measurements of lithium have been expanded.

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